

FCC ID: MQ4UH400B

# **USER's MANUAL**

**Universal Serial Bus HUB**

## **REGULATORY STATEMENTS**

### **FCC Certification**

Part15, Class B

**FCC ID: MQ4UH400B**

The United States Federal Communication Commission (FCC) and the Canadian Department of Communications have established certain rules governing the use of electronic equipment.

### **FCC Part 15 Registration**

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interface, and
- 2) This device must accept any interface received, including interface that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and

used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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# User's Guide

## Introduction

Welcome to the world of USB HUB, a new venture for you to connect: monitors, printers, digital speakers, modems, digital cameras, joysticks or multimedia equipment, within one box which as easy as plug in a lamp. So, let's begin this fun and excitement of this whole new computing experience.

### Technology Overview

Universal Serial Bus technology (USB) is the solution for computer users who have ever dreamed about an instant, and no-hassle way to connect peripherals. (Up to 127 USB devices can be connected together in this way) You just need to plug them in and turn them on. USB will configure everything for you automatically. From now on, you don't need to worry about

open your computer case, add-in cards, DIP switch setting or IRQs. It is just like adding instant new capabilities to your computer.

Other COOL stuffs about USB are “hot-swapping”, Automatic Power sensing, and USB Hub. This use’s guide is featuring USB Hub. If you like to learn more detail about USB and its benefits, please check out the following site for more detail –

<http://www.usb.org>

### **UH-400 You Ultimated USB Hub**

The UH400 USB HUB is the most convenience equipment to bridge the USB connectivity to you desktop. UH400 USB HUB complies with USB Specification Ver. 1.1 which gives you the flexibility of supporting TWO data rates – 12Mbps for

devices requiring increased bandwidth, and

1.5Mbps for lower-speed devices like game pads and joysticks. And, its additional ports that allow you to “daisychain” multi devices together.

**Features:**

- USB 1.0 specification compatibility
- Plug-n-play with USB devices
- Support Bus-power mode and Self-power mode, indicate by LED
- Support 1 upstream and 4 downstream USB ports
- 6 LED indicators for HUB status

**Package Contents:**

- UH400 USB HUB
- One USB cable
- One Power Adapter DC 5V (2.4A)
- User’s guide

## **Hardware Installation**

Install the USB Hub is as easy as plug-in a lamp.

Two different methods of install the hardware – Bus powered and Self-powered. You can choose either one of them to install your USB Hub.

## **Power Mode Selection**

Please carefully read this note before you select the power mode.

For Bus Powered mode, UH400 provides all four downstream ports with 500mA in total.

Each downstream port has about 100mA power.

Any USB devices take

away more than 100mA power, the device may not able to be turned on. Then you should select Self-powered mode to power the device.

For Self-Powered mode, each downstream port has 500mA (max) power supplied. This power is sufficient enough to support most of the USB devices.

### **Using Bus Powered**

1. Plug the B-type connector into the  
“Up Port” (See Fig I)
2. Plug the A-type connector into the PC  
site (See Fig II)
3. Connect USB devices to the Hub:  
Down 1 - Down 4 (See Fig III)

### **Using Power Adapter**

1. Plug the DC plug into DC jack locates  
on the back panel of the Hub
2. Plug the AC adapter into an electronic  
outlet
3. Plug the B-type connector into the  
“Up Port” (See Fig I)
4. Plug the A-type connector into the PC  
site (See Fig II)



5. Connect USB devices to the Hub :  
Down 1 - Down 4 (See Fig III)

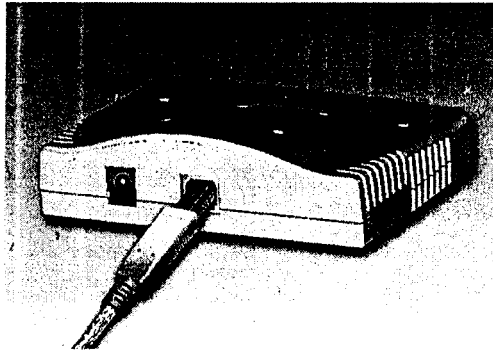


Fig I

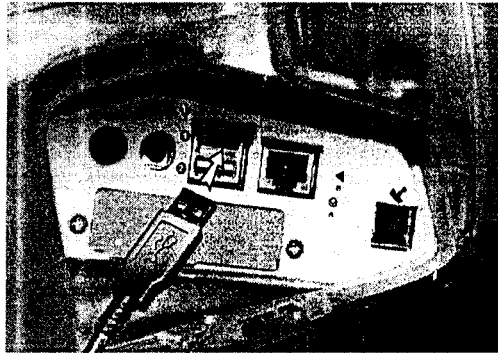


Fig II

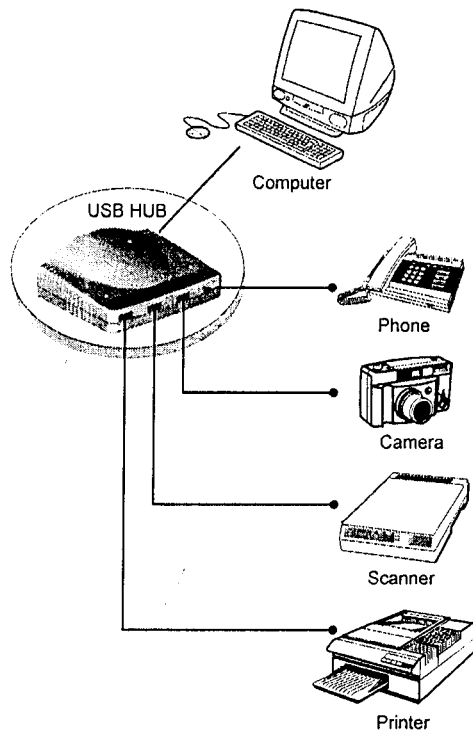


Fig III

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## LED indication

UH400 equips with 6 LED indicators. Here is its meanings –

<b>LEDs</b>	<b>Power</b>	<b>Green LED – Bus-Powered</b> <b>Orange LED – Self-Powered</b>
	<b>Port Status</b>	<b>Green LED – Active status</b>

## USB Port Pin Assignment

<b>Pin 1</b>	<b>+5V</b>
<b>Pin 2</b>	<b>Data -</b>
<b>Pin 3</b>	<b>Data +</b>
<b>Pin 4</b>	<b>Ground</b>

**Physical Dimension**

10.2 cm x 7.4 cm x 2.6 cm

**Environment**

Operating Temperature: 0 C to 70 C

Storage Temperature: -20 C to 80 C

Humidity: 0 to 95%, non-condensing

**Certification:**

FCC Class B , CE